

Title (en)  
METHOD FOR DOSING CONCRETE

Title (de)  
VERFAHREN ZUR DOSIERUNG VON BETON

Title (fr)  
PROCÉDÉ DE DOSAGE DE BETON

Publication  
**EP 3303260 B1 20190918 (EN)**

Application  
**EP 16804311 A 20160601**

Priority  
• US 201562170951 P 20150604  
• US 2016035221 W 20160601

Abstract (en)  
[origin: WO2016196599A1] The present invention relates to mitigating the deleterious effect of clays, which are born or conveyed by sand aggregates, crushed rock, gravel, and other aggregates used in the manufacture of concrete, upon the dosage efficiency of cement dispersants or other admixtures which are added into concrete. Instead of introducing the entire cement mitigation agent (CMA) into the aggregate material at a quarry or upon batching in the mix plant in a singular, upfront dose, the present invention comprises combining at least 51% and up to 100%, and, most preferably, at least 75% and up to 100%, of the total dosage amount of the CMAs into a given concrete mix batch during the transit portion of the delivery between initial batching at the mix plant and the pour event at the job site.

IPC 8 full level  
**C04B 40/00** (2006.01); **B28C 7/00** (2006.01); **B28C 7/02** (2006.01); **C04B 14/10** (2006.01); **C04B 20/02** (2006.01)

CPC (source: EP KR US)  
**B28C 7/024** (2013.01 - EP KR US); **C04B 14/10** (2013.01 - KR); **C04B 24/121** (2013.01 - KR); **C04B 28/02** (2013.01 - KR);  
**C04B 40/0032** (2013.01 - EP KR US); **C04B 2103/408** (2013.01 - KR); **C04B 2103/50** (2013.01 - KR)

C-Set (source: EP US)  
1. **C04B 40/0032 + C04B 14/104 + C04B 24/2647 + C04B 28/02**  
2. **C04B 40/0032 + C04B 14/104 + C04B 24/121 + C04B 28/02**  
3. **C04B 40/0032 + C04B 14/104 + C04B 28/02 + C04B 2103/32**  
4. **C04B 40/0032 + C04B 14/104 + C04B 28/02 + C04B 2103/302**

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2016196599 A1 20161208**; AU 2016270744 A1 20180104; AU 2016270744 B2 20200305; CA 2987880 A1 20161208;  
CA 2987880 C 20231219; CN 108349824 A 20180731; CN 108349824 B 20210420; CO 2018000049 A2 20180410; EP 3303260 A1 20180411;  
EP 3303260 A4 20181226; EP 3303260 B1 20190918; ES 2754610 T3 20200420; HK 1258990 A1 20191122; JP 2018516188 A 20180621;  
JP 6768712 B2 20201014; KR 20180038418 A 20180416; MX 2017015528 A 20180221; MY 186502 A 20210722; US 10329202 B2 20190625;  
US 11130714 B2 20210928; US 2016355441 A1 20161208; US 2019256428 A1 20190822

DOCDB simple family (application)  
**US 2016035221 W 20160601**; AU 2016270744 A 20160601; CA 2987880 A 20160601; CN 201680045529 A 20160601;  
CO 2018000049 A 20180102; EP 16804311 A 20160601; ES 16804311 T 20160601; HK 19101475 A 20190129; JP 2017562984 A 20160601;  
KR 20177036176 A 20160601; MX 2017015528 A 20160601; MY PI2017704593 A 20160601; US 201615170199 A 20160601;  
US 201916400339 A 20190501